

# **MULTI-PHASE ALTERNATING CURRENT PLASMA GENERATOR**

## **Abstract**

A plasma generation system that is powered with an alternating current power source has been developed. The system includes a plasma generator that heats gas to a high temperature to form plasma. The gas is heated by passing through an electrical arc generated by electrodes. The gas is fed to the generator by a feed system comprising a plurality pneumatic feed devices that supply the plasma-forming gas. The plasma generator is powered by an alternating current power source.